

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:



Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Richard J. Coldren
Attorney for Applicant

Date: 17 February 2004

Application No. : 10/731,775
Applicant : Feng Lin
Filed : 9 December 2003
Title : AN INTERLEAVED DELAY LINE FOR PHASE LOCKED AND
DELAY LOCKED LOOPS

TC/A.U. : Not yet assigned
Examiner : Not yet assigned

Atty. Docket No. : DB000861-004
Customer No. : 24122

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Enclosed for filing in the above-captioned application, please find the following:

- An Information Disclosure Statement; and
- Form PTO/SB/08A, two (2) pages.

Also enclosed is a return postcard. Please date stamp and mail the postcard in order to acknowledge receipt of the above-reference correspondence. The Commissioner is hereby authorized to charge any underpayment or credit any overpayment to our Deposit Account No. 20-0888. A duplicate copy of this transmittal is enclosed.

Respectfully submitted,

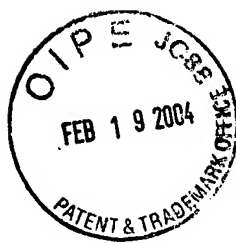
Richard J. Coldren

Richard J. Coldren
Reg. No. 44,084
THORP REED & ARMSTRONG, LLP
One Oxford Centre, 14th Floor
301 Grant Street
Pittsburgh, PA 15219-1425
(412) 394-2442

Attorney for Applicant

Dated: 17 February 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:



Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Richard J. Coldren
Attorney for Applicant

Date: 17 February 2004

Application No. : 10/731,775
Applicant : Feng Lin
Filed : 9 December 2003
Title : AN INTERLEAVED DELAY LINE FOR PHASE LOCKED AND
DELAY LOCKED LOOPS

TC/A.U. : Not yet assigned
Examiner : Not yet assigned

Atty. Docket No. : DB000861-004
Customer No. : 24122

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Enclosed for filing in the above-captioned application, please find the following:

- An Information Disclosure Statement; and
- Form PTO/SB/08A, two (2) pages.

Also enclosed is a return postcard. Please date stamp and mail the postcard in order to acknowledge receipt of the above-reference correspondence. The Commissioner is hereby authorized to charge any underpayment or credit any overpayment to our Deposit Account No. 20-0888. A duplicate copy of this transmittal is enclosed.

Respectfully submitted,

Richard J. Coldren

Richard J. Coldren
Reg. No. 44,084
THORP REED & ARMSTRONG, LLP
One Oxford Centre, 14th Floor
301 Grant Street
Pittsburgh, PA 15219-1425
(412) 394-2442

Attorney for Applicant

Dated: 17 February 2004



I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Richard J. Coldren
Attorney for Applicant

Date: 17 February 2004

Application No. : 10/731,775
Applicant : Feng Lin
Filed : 9 December 2003
Title : AN INTERLEAVED DELAY LINE FOR PHASE LOCKED
AND DELAY LOCKED LOOPS

TC/A.U. : Not yet assigned
Examiner : Not yet assigned

Atty. Docket No. : DB000861-004
Customer No. : 24122

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Information Disclosure Statement

Sir:

Pursuant to the provisions of 37 CFR §§1.56 and 1.97-98, enclosed herewith is:

☒ Form PTO/SB/08A

☐ Form PTO/SB/08B

listing references for consideration by the Examiner. This application was filed after 30 June 2003. Thus, except for U.S. patents and U.S. patent application publications, a copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is "prior art" to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to



Application No.: 10/731,775
Dated: 17 February 2004
Information Disclosure Statement

patentability as defined in 37 CFR §1.56, or that no other material information exists, and shall not be construed as an admission against applicant(s) interest in any manner.

The Information Disclosure Statement submitted herewith is being filed pursuant to:

☒ 37 C.F.R. §1.97(b)(1); no fee is required;
OR

☐ 37 C.F.R. §1.97(b)(2); no fee is required;
OR

☐ 37 C.F.R. §1.97(b)(3); no fee is required;
OR

☐ 37 C.F.R. §1.97(b)(4); no fee is required;
OR

☐ 37 C.F.R. §1.97(c);
AND either

☐ The fee set forth in §1.17(p) is attached; OR

Applicant certifies pursuant to 37 CFR §1.97(e) that:

☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR

☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item contained in the Information Disclosure Statement was known to any individual designated under 37 CFR §1.56(c) more than three months prior to the filing of this statement;



Application No.: 10/731,775
Dated: 17 February 2004
Information Disclosure Statement

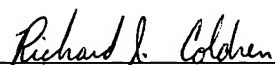
OR

- ☐ 37 C.F.R. §1.97(d); the fee set forth in §1.17(p) is attached,
AND
- ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item contained in the Information Disclosure Statement was known to any individual designated under 37 CFR §1.56(c) more than three months prior to the filing of this Statement.

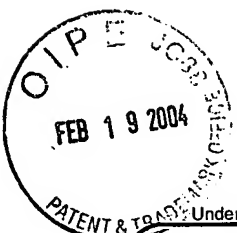
Applicants respectfully request that the listed references be considered by the Examiner, and that the Examiner acknowledge consideration of these references by initialing and returning a copy of the attached form(s) with the next Official Action.

Respectfully submitted,

Dated: 17 February 2004



Richard J. Coldren
Reg. No. 44,084
Thorp Reed & Armstrong, LLP
One Oxford Centre
301 Grant Street, 14th Floor
Pittsburgh, PA 15219-1425
(412) 394 -2442
Fax: (412) 394 -2555



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/731,775 |
| Filing Date | 9 December 2003 |
| First Named Inventor | Feng Lin |
| Art Unit | Not yet assigned |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | DB000861-004 |

Sheet 1 of 2

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,790,612 | 08-04-1998 | Chengson et al. | |
| | | US- 6,011,732 | 01-04-2000 | Harrison et al. | |
| | | US- 6,101,197 | 08-08-2000 | Keeth et al. | |
| | | US- 6,204,732 B1 | 03-20-2001 | Rapoport et al. | |
| | | US- 6,285,172 B1 | 09-04-2001 | Torbey | |
| | | US- 6,445,231 B1 | 09-03-2002 | Baker et al. | |
| | | US- 6,462,623 B1 | 10-08-2002 | Horan et al. | |
| | | US- 6,480,047 B2 | 11-12-2002 | Abdel-Maguid et al. | |
| | | US- 6,518,812 | 02-11-2003 | Sikkink et al. | |
| | | US- 4,165,490 | 08-21-1979 | Howe et al. | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|-----------------------------------|--|--|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/731,775 |
| Filing Date | 9 December 2003 |
| First Named Inventor | Feng Lin |
| Art Unit | Not yet assigned |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | DB000861-004 |

Sheet 2 of 2**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| | | US- 5,198,758 | 03-30-1993 | Iknaian et al. | |
| | | US- 5,272,390 | 12-21-1993 | Watson et al. | |
| | | US- 5,369,640 | 11-29-1994 | Watson et al. | |
| | | US- 5,552,726 | 09-03-1996 | Wichman et al. | |
| | | US- 5,774,403 | 06-30-1998 | Clark et al. | |
| | | US- 5,808,478 | 09-15-1998 | Andresen | |
| | | US- 5,870,003 | 02-09-1999 | Boerstler | |
| | | US- 6,047,346 | 04-04-2000 | Lau et al. | |
| | | US- 6,094,082 | 07-25-2000 | Gaudet | |
| | | US- 6,121,808 | 09-19-2000 | Gaudet | |
| | | US- 6,131,168 | 10-10-2000 | Krzyzkowski | |
| | | US- 6,268,753 | 07-31-2001 | Sandusky | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.